This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Please cancel claims 1-18 without prejudice or disclaimer.

Please amend claims 19 and 20 as set forth below.

Please add new claims 31-61 as set forth below.

1	Claim 19 (currently amended): A method for detecting of diagnosing in a subject
2	a disease characterized by at least one diagnostic marker of a disease comprising the steps of:
3	a) providing a substrate for use in desorption spectrometry that comprises
4	at least one addressable location, each addressable location comprising an adsorbent attached to
5	the substrate wherein the adsorbent that resolves at least one of the diagnostic markers under an
6	elution condition;
7	b) exposing contacting the adsorbent with substrate to a biological sample
8	from the subject;
9	c) washing the adsorbent under the elution condition to allow retention of
10	the diagnostic marker or markers; and
11	de) detecting retained diagnostic marker or markers by desorption
12	spectrometry.;
13	whereby detecting retained diagnostic marker provides a diagnosis of the
14	disease.
1	Claim 20 (currently amended): The method of claim 19 further comprising
2	detecting wherein diagnosis involves detection of a plurality of diagnostic markers and the
3	addressable locations comprise adsorbents that resolve the plurality of diagnostic markers.
1	Claim 31 (new): The method of claim 19 further comprising providing a
2	diagnosis of the disease based on detection of the diagnostic marker or markers.

1	Claim 32 (new): The method of claim 19 wherein the disease is selected from	
2	cancer, heart disease, autoimmune disease, viral infection, Alzheimer's disease and diabetes.	
1 2	Claim 33 (new): The method of claim 19 wherein the biological sample is selected from tissue, blood, urine, stool, lymph, cerebrospinal fluid and interarticular fluid.	
1 2	Claim 34 (new): The method of claim 19 wherein the biological sample is derived from a pathological cell.	
1 2	Claim 35 (new): The method of claim 19 wherein the adsorbent is a hydrophobadsorbent.	oic
l 2	Claim 36 (new): The method of claim 19 wherein the adsorbent is a thiophilic adsorbent.	
1	Claim 37 (new): The method of claim 19 wherein the adsorbent is a normal phase adsorbent.	
1 2	Claim 38 (new): The method of claim 19 wherein the adsorbent is an anionic adsorbent.	
l 2	Claim 39 (new): The method of claim 19 wherein the adsorbent is a cationic adsorbent.	
l 2	Claim 40 (new): The method of claim 19 wherein the adsorbent is a metal ion adsorbent.	
l 2	Claim 41 (new): The method of claim 19 wherein the adsorbent is a glycoprote interaction adsorbent.	ein
l 2	Claim 42 (new): The method of claim 19 wherein the adsorbent comprises a nucleic acid.	

1	Claim 43 (new): The method of claim 19 wherein the adsorbent comprises an
2	antibody or antibodies that bind the diagnostic marker or markers.
1	Claim 44 (new): The method of claim 20 further comprising providing a
2	diagnosis of the disease based on detection of the diagnostic markers.
1	Claim 45 (new): The method of claim 20 wherein the disease is selected from
2	cancer, heart disease, autoimmune disease, viral infection, Alzheimer's disease and diabetes.
1	Claim 46 (new): The method of claim 20 wherein the biological sample is
2	selected from tissue, blood, urine, stool, lymph, cerebrospinal fluid and interarticular fluid.
1	Claim 47 (new): The method of claim 20 wherein the biological sample is
2	derived from a pathological cell.
1	Claim 48 (new): The method of claim 20 wherein the adsorbent is a hydrophobic
2	adsorbent.
1	Claim 49 (new): The method of claim 20 wherein the adsorbent is a thiophilic
2	adsorbent.
1	. Claim 50 (new): The method of claim 20 wherein the adsorbent is a normal
2	phase adsorbent.
1	Claim 51 (new): The method of claim 20 wherein the adsorbent is an anionic
2	adsorbent.
1	Claim 52 (new): The method of claim 20 wherein the adsorbent is a cationic
2	adsorbent.
1	Claim 53 (new): The method of claim 20 wherein the adsorbent is a metal ion
2	adsorbent.

1	Claim 54 (new): The method of claim 20 wherein the adsorbent is a glycoprotein
2	interaction adsorbent.
1	Claim 55 (new): The method of claim 20 wherein the adsorbent comprises a
2	nucleic acid.
1	Claim 56 (new): The method of claim 20 wherein the adsorbent comprises an
2	antibody or antibodies that bind the diagnostic marker or markers.
1	Claim 57 (new): The method of any of claims 19, 20 and 31-56 wherein the
2	marker or markers comprise a polypeptide.
1	Claim 58 (new): The method of any of claims 19, 20 and 31-56 wherein the
2	marker or marker comprises a nucleic acid.
1	Claim 59 (new): The method of any of claims 19, 20 and 31-56 wherein
2	desorption spectrometry is laser desorption/ionization mass spectrometry.
1	Claim 60 (new): The method of claim 57 wherein desorption spectrometry is
2	laser desorption/ionization mass spectrometry.
1	Claim 61 (new): The method of claim 58 wherein desorption spectrometry is
2	laser desorption/ionization mass spectrometry.